



Fail Safe Solutions—SuperCap

U-Series Actuators: Complete Multifunctional Actuators

- **Multiple Field Selectable Control Configurations**
 - 2 wire on/off/jog
 - Single wire on/off
 - Three position
 - Multi-turn, clockwise or counterclockwise
 - Proportional
 - 4-20mA/0-10 VDC
 - MODBUS RTU/TCP
- **Front Panel LED Display**
- **Supercapacitor Option for Loss of Power**
- **Torque Range 400 to 5000 in lbs (68 to 565 Nm)**
- **Universal Power Input (24vdc, 24-230VAC)**

The U-Series Actuators

The U-Series actuators are ProMation’s most advanced actuator providing 100% Continuous Duty Cycle using a DC Brushless Motor. Standard Controls include 2 wire/single wire On/OFF, analogue modulation (4-20mA and 0-10VDC) and MODBUS RTU/TCP. The U-Series is Class 1, Division 2, explosion-proof, non-incendive certified for Gas Groups A, B, C, D. The U-Series has an optional fail-safe capability using supercapacitor back up for loss of line power.



The U-Series has universal power input (12 VDC, 24 VDC, 24 VAC, 100-240VAC) as well as only low voltage (12VDC, 24 VDC, or 24VAC).

The U-Series actuator is available with five different torque options. The UL Series has torque output between 600 and 5000 in-lbs. with ISO 5211 F07 and F10 mounting. The UM series, roughly 20% smaller than the UL, has torque output of 400 to 1200 in-lbs with ISO 5211 F05 and F07 mounting .



UL and CE Certified
Class 1, Div 2, Groups A, B, C, D

Group	Hazardous Material in Surrounding Atmosphere
A	Acetylene
B	Hydrogen, ethylene oxide, etc.
C	Hydrogen sulfide, ethylene, etc.
D	Gasoline, natural gas, etc.

Product Family	Torque Output		High voltage Draw	Low voltage Draw	Stroke Speed (in seconds)		Mount Info		Size		Shipping Weight
	In lbs	Nm	amps	amps	Default 90°	90° Range	ISO 5211	dbl sq drive	Inches	mm	lbs/kg
UMB	400	45	3.3	0.65	2.5	1.8-6	F05/07	17	8.4x9.2x8	214x233x204	19/8.6
UMC	600	68	3.3	0.65	4	3-10	F05/07	17	8.4x9.2x8	214x233x204	19/8.6
UMD	1,200	136	3.3	0.65	8	7-20	F05/07	17	8.4x9.2x8	214x233x204	19/8.6
ULC	600	68	3.3	0.65	4	3-10	F07/10	27	8.5x11.25x8.8	216x286x223	26/11.8
ULD	1,200	136	3.3	0.65	8	7-20	F07/10	27	8.5x11.25x8.8	216x286x223	26/11.8
ULE	2,500	282	3.3	0.65	14	12-36	F07/10	27	8.5x11.25x8.8	216x286x223	27/12.2
ULF	5,000	565	3.3	0.65	33	27-85	F07/10	27	8.5x11.25x8.8	216x286x223	28/12.7